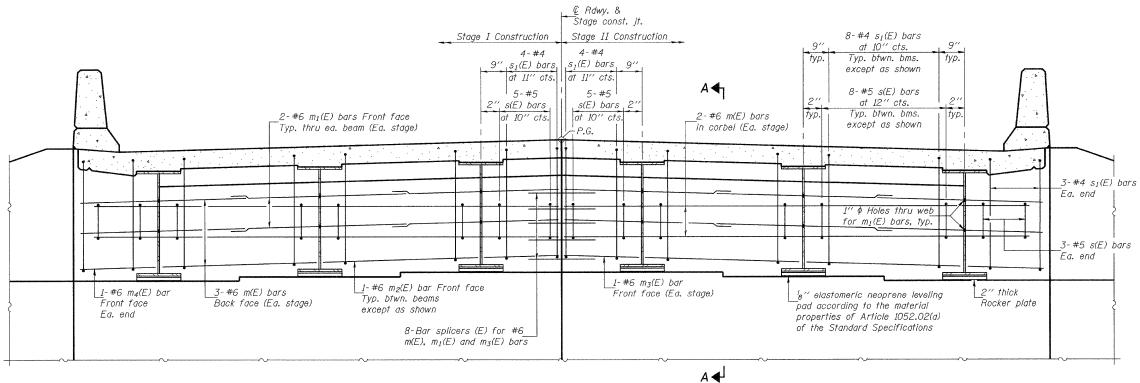
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



DIAPHRAGM ELEVATION AT SOUTH ABUTMENT

(Looking south - North abutment similar)

4'-0" 6'-0" 2'-6" 10'' Bar Splicers (E) for __ a(E) -b(E)#5 b(E) bars ~s1(E): $b_I(E) \perp \bigsqcup_{\sigma_I(E)}$ \- v(E) Elev. 455.84 (S) Elev. 455.93 (N) $m_1(E) - \langle$ >− m(E) typ. s(E) $m_2(E)$, $m_3(E)$ or m4(E) Varies Const. Joint 2" thick Rocker Plate-#5 v(È) bars Bk. of Abut. See sheet 6 of 15 'g'' elastomeric neoprene level<u>ing</u> pad according to the material properties of Art. 1052.02(a) of \mathbb{Q} 1" ϕ x 12" anchor bolt with 13₈" x 2" slotted hole the Standard Specifications. Cost included with Structural Steel. in the bottom flange. € Abut. (one each side of web.)

MIN. BAR LAP #6 bar = 2'-7"

DESIGNED J.E. KRAMER

Notes: Reinforcement bars in diaphragm are billed with superstructure on sheet 10 of 21.

Superstructure on sheet 10 of 21.

Concrete in diaphragm is included with Concrete

For bar splicer (E) details see sheet 19 of 21.

For details of bars s(E) & $s_1(E)$ see sheet 10 of 21.

CHECKED P.E. COPPERNOLL htc

CHECKED GRA

EXAMINED Thomas Umagalaki

ENGINEER OF BRIDGES AND STRUCTURES

ENGINEER OF BRIDGES AND STRUCTURES

SECTION A-A

<u>DIAPHRAGM DETAILS</u> STRUCTURE NO. 079-0050

SHEET NO.11	F.A.P. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEE NO.
	682	21BR,	21-I-1	RANDOLPH	77	50
21 SHEETS				CONTRACT	NO. 76	126
	FED. RO	DAD DIST. NO	AID PROJECT			

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